



Philips PureProtect Pro 4200 Series Smart Air Purifier

AC4220/12

- Purifies rooms up to 156 m²
- 600 m³/h clean air rate (CADR)
- HEPA & Active Carbon filter
- PM2.5 and Gas sensors

Our best purifier. Quiet and energy efficient.

Effectively captures allergens, pollutants, gases

- Impressive power in smaller size
- 4-layer HEPA filtration traps 99.97% of smallest particles
- Quiet, even at maximum power
- Captures 99.99% of allergens from dust, pollen or pets
- Effectively reduces viruses like H1N1 (flu) from the air
- Traps smells and gas pollutants
- Lower energy consumption than a light bulb
- Intelligently senses and adapts to your indoor air quality
- Control your purifier anywhere with the Philips Air+ app
- Go to sleep and wake-up with fresh, clean air
- Long lasting filter for up to 1 year
- Designed for durability and sustainability

*(1) CADR vs. Philips AC1715

** (2) CADR tested according GB/T18801-2022. Suitable purification area calculated to NRCC-54013 standard.

*** (3) Calculated: 48m³ room, CADR of 600m³/h

**** (4) From the air that passes through the filter, tested to DIN71460 with NaCl aerosol 0.003um and 0.3um, iUTA

***** (5) vs. predecessor Philips AC4236

***** (6) Sound pressure, IEC 60704, at 1.5m. Normal conversation: 60 dB.

***** (7) From the air that passes through the filter, tested with house dust mite, birch pollen and cat allergens according to SOP 350.003 of the Austrian OFI institute

***** (8) Allergic Rhinitis and its Impact on Asthma (ARIA) 2008, written by J. Bousquet and approx. 50 other KOL's, Allergy 2008: 63 (Suppl. 86): 8-160

***** (9) Microbial Reduction Rate Test by Airmid Healthgroup Ltd. with influenza (H1N1) in 28.5m³ test chamber, using turbo mode for 30-40min

***** (10) Tested to GB21551.3-2010 with S. Albus, 30m³ chamber, 1h, Turbo mode, 3rd party lab

***** (11) Microbial Reduction Rate Test by Antimikrop with SARS-CoV-2 in 30m³ test chamber, using turbo mode for 1h.

***** (12) In 1h, in a 30 m³ room, test gas pollutants TVOC, Toluene and NO₂ at external laboratory referring to GB/T 18801-2022.

***** (13) Lifetime of filter depends on the air quality and usage.

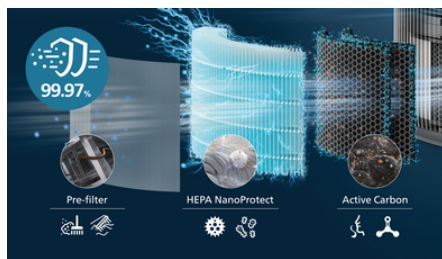
Highlights

Big power in smaller size



Up to 1.5x more powerful than products of its size (1), thanks to its innovative double-fan design. With powerful filtration of 600 m³/h (CADR), it can easily handle large spaces of up to 156m² (2) and can clean a room of 20m² in less than 5 minutes (3).

4-layer HEPA filtration



4-layer filtration made of pre-filter, HEPA NanoProtect and double Active Carbon layer captures 99.97% of particles as small as 0.003 microns (4) – smaller than the smallest known virus!

Quiet, even at maximum power



Experience 35% less noise with SilentWings technology (5). Inspired by the silent flight of owls, our fan-blade design ensures purification as quiet as 15 dB(A). Even at maximum speed, it's quieter than normal conversation. (6)

Captures 99.99% of allergens



All-day protection for allergy sufferers. Removes 99.99% of dust mite, pollen, pet, or mold spore allergens (7), known triggers of allergy or hay fever symptoms (8). ECARF certified allergy-friendly.

Captures viruses from the air



Removes 99.9% of airborne viruses and bacteria. Independently tested to eliminate H1N1 influenza virus (9), Staphylococcus bacteria (10), and 99.99% of SARS-CoV-2, the cause of COVID-19 (11).

Traps smells and gases



The Active Carbon layer captures odors and removes >96% of gas pollutants that hurt indoor air (12): NO₂ from industry and traffic pollution, Toluene or VOCs from house paint, detergents and furniture. Safe and effective: no ions, chemicals or ozone emitted.

Low energy consumption



Enjoy cleaner air while keeping your energy bill low. At maximum power, the air purifier uses only 54W, less energy than a traditional light bulb.

Smart air quality sensors



AeraSense technology scans the air 1000x a second to detect pollutants and gases. It reports the air quality in real time on the product display or in the app. In Auto mode, the device intelligently chooses the right speed to respond to each situation.

Smart control with Air+ app



Pair your purifier with the Air+ app to track indoor and outdoor air quality and remotely control the device. Choose Auto+ mode in the app for AI technology that adapts to your routine, minimizing sound and energy use.

Specifications

Energy efficiency

Max. power consumption: 54 W
Stand-by power consumption: <2 W

Usability

Min. sound level (Sleep mode): 15 dB
Max. sound level (Turbo mode): 51.5 dB
Automatic mode: Yes
Cord length: 1.8 m
Sleep mode: Yes
Air quality feedback: Color ring, numerical
Automatic display dimming: Yes
Child lock: Yes
Ambient night light: Yes
Manual fan speeds: Yes (5 levels)

Connectivity

App, connects via Wi-Fi: Air+ app
Smartphone compatibility: iPhone and Android devices
Voice control: No
Remote scheduling: Yes (in app)

Performance

CADR (Particle, GB/T): 600 m³/h
Filtration layers: HEPA, Active Carbon, Prefilter
Air quality sensor(s): PM2.5, Gas, Temp., Humidity
Particle filtration: 99.97% at 0.003 microns
Room size (NRCC): 156 m²

Weight and dimensions

Dimensions of product (LxWxH): 52*28,5*28,5 mm
Weight of product: 6,5 kg
Color(s): Supernova Silver

Maintenance

Recommended filter change: 1 year
Replacement filter: FY4200/30
Service: 2-year worldwide guarantee

